

STOUT STATE COLLEGE

SUMMER SESSION ●●● 1956

J.P.m.

STOUT
SERIES
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2/22

Fifty-First Annual

Summer Session

STOUT STATE COLLEGE

VERNE C. FRYKLUND, PRESIDENT

Menomonie, Wisconsin



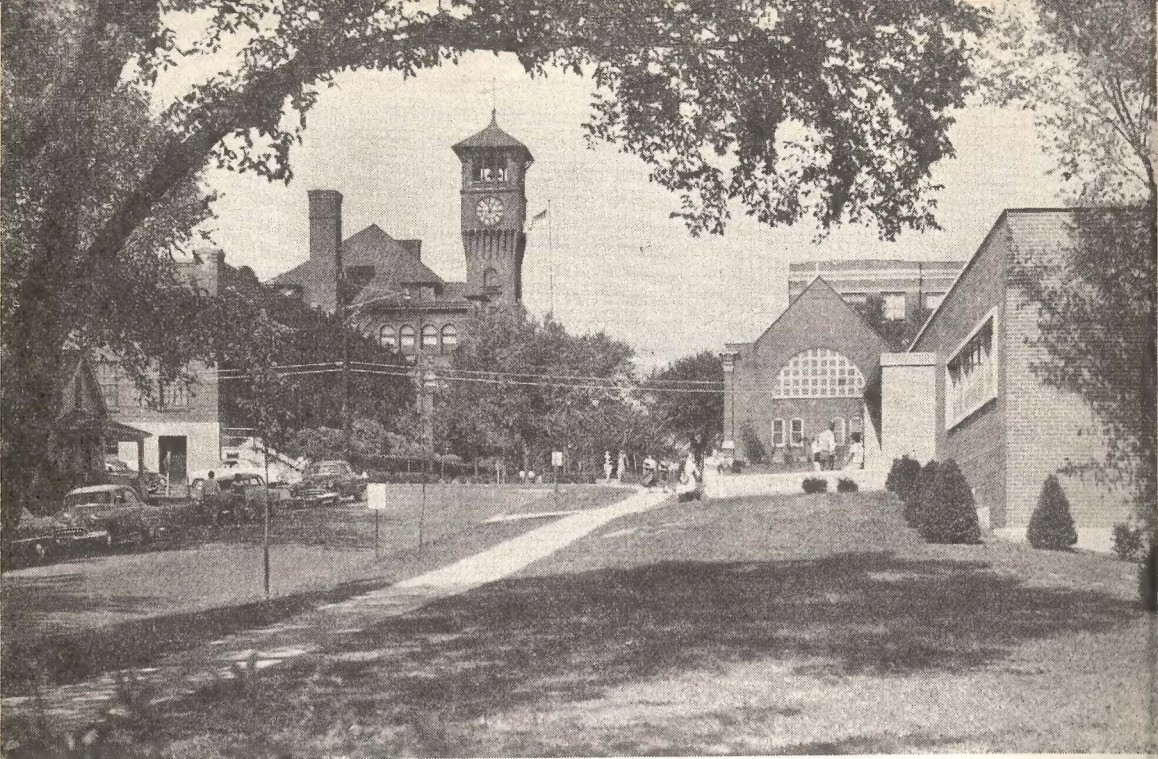
June 25 - August 3

Stout State College and the State Board of Vocational and Adult Education will be co-sponsors in a one-week workshop for teachers, guidance personnel, home demonstration agents, advanced students and parents. This workshop, Family Relationships and Mental Health, will be under the direction of Dr. Paul Popenoe, Director of the American Institute of Family Relations and Mr. Roy E. Dickerson, Executive Secretary of the Cincinnati Social Hygiene Society.

June 18 - 23.

A Work Conference will be sponsored by the Wisconsin State Board of Vocational and Adult Education. Teachers attending this conference are identified in advance through State and local selection. The 1956 conference will be held June 18 - 22, Wisconsin Vocational Trade and Industrial Teachers.

Driver Education, Basic and Advanced Courses. Open to qualified teachers to capacity of classes — August 6 - 17.



- High above the campus rises the clock tower—well known symbol of Stout State College. On the right can be seen the attractive entrance to the new college library.
- Students receive prompt and courteous service through the well planned facilities of Stout's new library.

1956 Summer Session

Resident Faculty

Verne C. Fryklund, PH.D., President

John A. Jarvis, PH.D., Dean, Division of Industrial Education, Director of Summer Session

Alice J. Kirk, ED.D., Dean, Division of Home Economics

Ralph G. Iverson, ED.D., Director, Student Personnel Services

Ray A. Wigen, M.A., Director of Graduate Studies

Merle M. Price, M.A., Dean of Men

Norman Adams, PH.D., Assistant Professor of English

Dwight L. Agnew, PH.D., Head of Department and Associate Professor of Social Science

Herbert Anderson, ED.D., Assistant Professor of Industrial Education

David Barnard, ED.D., Assistant Professor of Industrial Education, Visual Education

Phyllis Bentley, M.S., Director of Library

Dwight D. Chinnock, M.A., Associate Professor of Education. Supervisor of Student Teaching

Raymond L. Cornwell, M.S., Instructor of Industrial Education, Printing

Irene Erdlitz, M.S., Instructor of Physical Education

Thomas Fleming, PH.D., Associate Professor of English

Victor H. Hardt, ED.D., Head of Department and Assistant Professor of Music

Beulah C. Howison, A.B., Assistant Librarian

Lillian Jeter, M.A., Head of Department of Clothing and Textiles and Professor of Home Economics

Mary Killian, M.A., Associate Professor of Home Economics, Food and Nutrition

Dick G. Klatt, M.S., Instructor of Industrial Education, General Metals

Ray F. Kranzusch, M.S., Associate Professor of Industrial Education

Ella Jane Meiller, M.S., Associate Professor of Food and Nutrition, Head of Department of Food and Nutrition

Ellen Nelson, M.S., Associate Professor of Home Economics, Food and Nutrition

Otto Nitz, PH.D., Associate Professor of Science and Mathematics

Ann Noble, M.S., Associate Professor of Home Economics, Head of Department of Home Economics Education

Erich Richard Oetting, PH.D., Head of Department and Professor of Psychology and Education

K. T. Olsen, M.S., Associate Professor of Industrial Education, Woodworking, Carpentry

J. E. Ray, ED.D., Head of Department of Drafting and Professor of Industrial Education

E. Robert Rudiger, ED.D., Assistant Professor of Education

Philip W. Ruehl, M.S., Assistant Professor of Industrial Education, Electricity

Guy Salyer, PH.D., Associate Professor of Psychology and Education

Myrtle Strand, Assistant Librarian

Robert Swanson, PH.D., Assistant Professor of Industrial Education

George Soderberg, M.A., Associate Professor of Industrial Education, Woodworking

Gladys Trullinger, M.S., Assistant Professor of Home Economics, Family Life Education, Director of Home Management Residence

Alyce Vanek, M.S., Instructor in Home Economics, Clothing

Hazel Van Ness, A.M., Associate Professor of Home Economics, Clothing and Textiles

Gustave Wall, PH.D., Associate Professor of Education, Graduate Studies

Lloyd Whydotski, A.M., Head of Department of Printing, Associate Professor of Industrial Education

Theodore E. Wiehe, ED.D., Assistant Professor of Industrial Education

Elizabeth A. Williams, A.M.L.S., Assistant Librarian

Mary K. Williams, M.A., Assistant Professor of Home Economics, Related Art

Jack S. Wink, M.S., Assistant Athletic Director and Assistant Professor of Physical Education

Norman C. Ziemann, M.A., Head of Department and Assistant Professor of Speech

Visiting Faculty

Dr. R. W. Bardwell, Director of Madison Vocational and Adult School

Mrs. Alta Bethke, School of Vocational and Adult Education, Appleton, Wisconsin

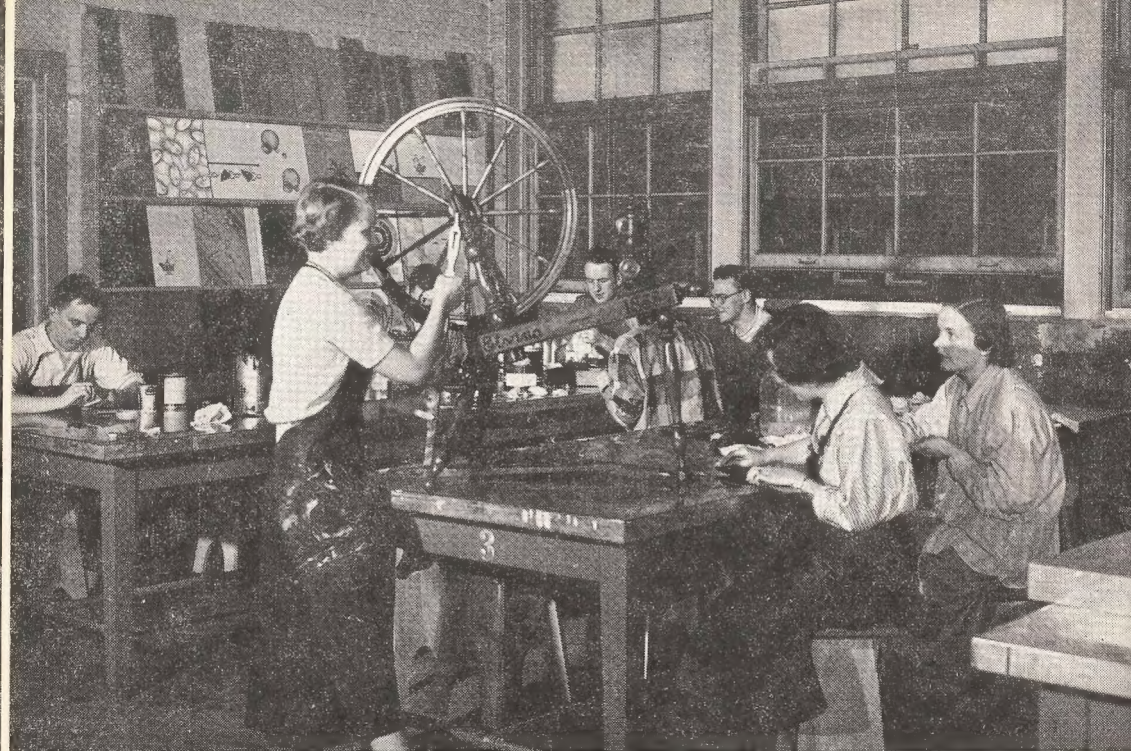
Mr. Roy E. Dickerson, Executive Secretary of the Cincinnati Social Hygiene Society, Cincinnati, Ohio

Mr. John Plenke, Supervisor of Trade and Industry, State Board of Vocational and Adult Education, Madison

Dr. Paul Popenoe, Founder and Director of the American Institute of Family Relations

Dr. Robert Tinkham, Assistant Professor of Industrial Education, University of Illinois, Urbana

Mr. Richard Whinfield, Supervisor of Occupational Information and Guidance, State Board of Vocational and Adult Education, Madison



• Stout students demonstrate their skills while working in modern and well equipped laboratories. Here they are taught the latest techniques in research and experimentation. Both men and women participate in these laboratories which are under the personal supervision of competent instructors.

General Information

The fifty-first annual summer session of Stout State College opens June 25, 1956. Courses will be available on both the six and three weeks bases. The pattern of work available during the six week period is indicated in the schedule of classes elsewhere in this bulletin. Registration is on Monday, June 25, with classes beginning on Tuesday, June 26. Particular attention has been given to the provision for the following student classification in the preparation of the summer session schedule:

Students now in attendance.

Teachers in the field who must attend summer session at Stout State College to maintain their teacher classification or certification.

Students who have started a program of summer session attendance leading to the degree of Master of Science or to the degree of Bachelor of Science.

High school graduates who wish to start their college work.

Teachers and others who desire to extend their experience and preparation in Home Economics and Industrial Education.

Those seeking combinations of work in terms of individual needs or for transfer to other colleges.

Those who desire special combinations of college work prior to entering the armed services.

Students who plan to attend the 1956 Stout State College summer session should use the advance enrollment blank elsewhere in this bulletin to insure a place in the class desired.

NOTE: Admission to the summer session does not constitute admission to the regular session, except for students enrolled for graduate studies. Students who are in their first attendance at Stout State College during the 1956 Summer Session and who plan to continue in attendance at Stout State College during the 1956-57 college year must complete the formal application for admission. These may be secured at the Registrar's Office and shall be completed and approved prior to the summer session.

ENROLLMENT

The enrollment of summer session students is by subjects. The number of students allowed in each class is definitely defined. Students are enrolled in the subjects which they desire in the order in which advance enrollments are received. Advance enrollment assists, therefore, in securing a place in the sections which the individual student desires. In sending in the advance enrollments, kindly use the blank included in this bulletin for that purpose. It is

requested that advance enrollment be sent in only when the definite decision has been made to attend. For several sessions numerous classes have been filled and closed.

Effort has been made in formulating the 1956 summer session program to make the selection of subjects and the arrangements of combinations to fit as many probable requirements as possible. Advance enrollment does not constitute official registration. However, recognition of the priority in advance enrollment will be given if the student is present and has completed his registration on registration day for the period he plans to attend.

UNDERGRADUATE AND GRADUATE WORK

Both graduate and undergraduate courses will be offered in the 1956 summer session. Courses are adjusted to current problems. Significant curriculum revisions have been made to meet new educational, social, and technical requirements.

The undergraduate work at Stout State College leads to the degree of Bachelor of Science with majors in Home Economics Education, Dietetics or Institution Management, Industrial Education, Vocational Education or Industrial Technology. The graduate work leads to the degree of Master of Science with similar majors. The undergraduate and the graduate courses in the summer session are articulated with the undergraduate and graduate work in the regular session.

EDUCATIONAL WORKSHOPS

Some of the educational workshops are on the six-week basis and some are on the three-week basis. These afford an opportunity for individual and group work in terms of specific problems. The specific fields in which these workshops are available are indicated in the schedule of classes elsewhere in this bulletin.

FOR VARIOUS NEEDS

For teachers, supervisors, and others in educational work, the summer session provides specific aids in meeting new demands. These opportunities are available in both graduate and undergraduate programs. The graduate program offers specific opportunities to aid educators whose major professional responsibilities are in close relationship to the various phases of home economics and industrial education. The fifth year of work on the graduate basis is a flexible sequence of experiences in a well-balanced program leading to certain definite professional objectives.

Vocational teachers and administrators will find many specific courses in the summer session plan to be of immediate value to them. The majority of the courses in the summer session are six weeks in length. There are in addition a number of short unit courses on the three weeks basis. A number of these provide opportunity for specific studies in connection with vocational home economics. The Wisconsin State Board of Vocational and Adult Edu-

cation through the use of federal teacher training funds, is cooperating with Stout State College in the preparation of teachers for schools of vocational and adult education. The summer session schedule carries a strong range of courses required for vocational certification.

Teachers of subjects other than Home Economics or Industrial Education in elementary, junior high, senior high, and vocational schools or college positions frequently avail themselves of the opportunities in Stout State College summer session to acquire special content in Home Economics or Industrial Education fields or to supplement previous training in their particular field.

ADMISSIONS

Graduate and undergraduate students who are entering Stout State College for the first time and who plan to continue on in the regular session must submit a regular application for admission. Official transcripts of credits earned in other colleges must be sent by the Registrar of the college where the credit was earned to the Registrar at Stout State College. Application blanks may be secured by writing to the Registrar at Stout State College. Students who are not working for a degree from Stout State College should use the advance enrollment blank which may be found in the back of this bulletin. Regular application and transcripts are not necessary for those who are not working for a degree from Stout State College.

CANDIDATES FOR DEGREES

Candidates for the degree of Bachelor of Science must earn a minimum of one hundred and twenty-four or one hundred and twenty-eight semester hours of credit according to the required curriculum. The minimum residence requirement for the degree of Bachelor of Science is thirty-two semester hours and thirty-two grade points to be earned in at least thirty-six weeks of attendance at Stout State College. All students must earn final credits for graduation in residence. Beginning with September, 1940, candidates for the degree of Bachelor of Science have been required to complete the last year of credit in residence at Stout State College. This requirement may be interpreted to mean one full year of continuous residence or the equivalent in semesters or in summer sessions.

The specific program arranged by hours in the day and weeks in the session is included elsewhere in this bulletin.

Summer session students are urged to study the various possible combinations when planning the summer schedule of classes.

EARLY APPLICATIONS

Preference is given to those who make early application. After the enrollment in a class has reached the number that can be taught with profit to the students, no more are admitted. Classes will not be offered where the

class registration is less than the minimum requirement for that particular course. An application blank for advance enrollment is included elsewhere in this bulletin.

CREDIT IN SUMMER SESSION

Credit granted for courses taken during the summer session will apply on course requirements where such courses are in the curriculum leading to the degree. The time assigned to courses in the summer session is adjusted to the plan of operation. In the very large majority of cases, the credit assigned to courses in the summer session is the same as that assigned to the courses during the regular session.

Stout State College does not have an extension program. Students considering extension courses should use the facilities of the Wisconsin State Colleges or the University of Wisconsin. Consent of the Committee on Credits is necessary. Stout State College will accept not more than five semester hours of credit earned through correspondence work.

Grade reports will be mailed only upon request. Students desiring to have summer session grade reports should leave a self-addressed envelope at the Registrar's Office.

Stout State College reserves the right to cancel any course having an insufficient enrollment.

SUMMER SESSION GRADUATES

Students who expect to meet graduation requirements at the close of the summer session must clear all transcripts of credit with the Registrar's Office by July 25. Early in the summer session all summer session graduates should notify the registrar of intent to graduate.

HOUSING RESERVATIONS

Students wishing assistance in securing housing accommodations are urged to make early reservation. All requests for housing, dormitory or otherwise, should be made on the housing application form included elsewhere in this bulletin.

Dormitory rooms may be occupied Saturday, June 23, 1956. Other rooms and apartments may be occupied as arranged for in advance.

CAFETERIA

The Stout Cafeteria offers good meal service at low cost. The cafeteria will be open beginning with lunch, Monday, June 25, 1956. It is open to all students and their families.

THE COLLEGE UNION

The college union will be in operation during the summer session, with the complete facilities of the union available, including the fountain, the

game room, and the bowling alleys. The definite hours will be determined by the students' demand for the services of the union.

STUDENT HOUSING UNITS

Stout State College owns an adequate number of barracks apartments which are available for married students. Preference is given to veterans. Most of the units are two-bedroom apartments, renting for \$25.00 per month. Utilities are paid by the tenant. A limited amount of basic furniture may be rented at a nominal cost.

Usually there are several of the regular session students who sublet their apartments for the summer. Applications are filled in the order students are accepted for the summer session.

CAMP COLONY

For a number of years Stout State College has operated an attractive Camp Colony under the supervision of a faculty committee. Stout State College owns twenty acres of timber land directly south of the Dunn County Fair Grounds, at the east end of Wilson Avenue. This Camp Colony is located just beyond the student housing units at Fair Oaks.

The City of Menomonie has extended water and sewer lines to the edge of the present camp site. Modern facilities have been installed including electric lights, study hall, laundry, showers and toilets. Roads approaching the camp have been improved. Building construction at the camp is in the form of permanent improvements.

Plenty of room is available. A table is furnished for each family or group, and floors are available for tents. The grounds are well lighted and power outlets are accessible for trailers and tents.

The site has many attractive features for a summer camp. Being on high ground and with plenty of shade, it is especially cool in summer. The view of the surrounding country is excellent. There is plenty of room for children to play with a minimum of danger from accident. Local ice and dairy concerns deliver to the individual customers.



● Recreation is an important part of any summer session. A cool dip in the crystal pool or a pleasant round of archery are only a few of the warm-weather pleasures for which Stout is famous. Located at the gateway to Wisconsin's Indianhead vacationland, Menomonie offers a wide choice of fishing, boating, swimming, golf, tennis, and college parties.

Description of Courses

CLOTHING AND TEXTILES

Home Economics 315 *Textiles*

Study of fibers, yarns, weaves, finishes, and design as applied to the selection of clothing and household fabrics.

Van Ness (10:30 - 12:20)

Credit: 3

Home Economics 320 *Advanced Clothing Construction*

Prerequisite: H.E. 218, Clothing Construction, or the consent of the instructor.

Basic tailoring techniques applied in the making of dressmaker type garments.

Jeter (8:30 - 10:20)

Credit: 2

Home Economics 466 *Modern Methods of Clothing Construction*

Prerequisite: Teaching experience or consent of the instructor.

A new approach to clothing construction. Of interest to home sewers as well as clothing teachers. Emphasis on the teaching of clothing.

Sewing processes analyzed for the purpose of finding ways to do them quicker, easier and better.

Vanek (8:30 - 10:20)

Credit: 2

Home Economics 471 *History of Costume*

Development of costume throughout the ages. Factors which influence change in fashion; qualities in style that make for lasting beauty; influence of the past on present-day costume.

Jeter (2:30 - 3:20)

Credit: 2

Home Economics 500 *Tailoring*

Prerequisite: Graduate standing and consent of the instructor.

Selection and preparation of fabrics for tailored suits or coats. Coats may be fall or winter weight, the winter weight offering opportunity for experience in interlining.

Jeter (8:30 - 10:20)

Credit: 2 or 3

Home Economics 514 *Seminar in Clothing and Textiles*

Discussion and interpretation of recent developments in clothing.

Individual reports.

Van Ness (1:30 - 2:20)

Credit: 2

FAMILY LIFE EDUCATION

Home Economics 403 *Home Management*

Prerequisite: H.E. 308, Meal Management, or equivalent.

Management of family resources for the attainment of successful family life, social aspects and adjustments of group and family living. Six weeks residence in the Home Management House with homemaking and managerial experiences.

Trullinger (8:30 - 9:20)

Credit: 2 or 4

Home Economics 425 *Workshop in Family Relationships and Mental Health*

General orientation and specialized training in leading, counseling, and instructing others in the field of Family Relationships and Mental Health. Special work groups on personal problems, the techniques of marriage counseling, and the role of the school, the home, and the church in the field of Family Life Education.

Dr. Paul Popenoe (June 18th - June 23rd)

Credit: 2

Mr. Roy Dickerson

FOOD, NUTRITION, DIETETICS AND
INSTITUTION MANAGEMENTHome Economics 212 *Family Nutrition*

Prerequisite: Home Economics 114

Scientific study of the principles of human nutrition as a basis for the selection of food for members of the family group.

Meiller (7:30 - 9:20)

Credit: 3

Home Economics 300 *Applied Institution Management*

Prerequisite: H.E. 308, Meal Management or equivalent.

Students prepare and serve meals in the college tea room under the directions of a student manager. Special emphasis placed on meal planning, recipe selection, the most economical use of materials and time, dining room management, food preparation, and cost control.

Killian (10:30 - 1:20)

Credit: 3

Home Economics 501 *Trends in Nutrition*

Prerequisite: Home Economics 212

Practical application of recent developments in the field of nutrition.

Meiller (11:30 - 12:20)

Credit: 2

RELATED ART

Art 448 *Housing*

Prerequisite: Art 334

Financial and legal aspects of building. Suitability of homes to geographical locations and family needs. Actual plans for a new or remodelled home.

Williams (10:30 - 12:20)

Credit: 2

Art 526 *Seminar in Related Art*

Flexible course in which the interests and needs of students are given important consideration. Fundamental material in the integration of art with home economics subject matter.

Williams (1:30 - 2:20)

Credit: 2

SPECIAL COURSES IN HOME ECONOMICS

The courses described below have been arranged in collaboration with the State Board of Vocational and Adult Education. The presentation of this group of courses has resulted from investigations made in the vocational schools of the state and from expressions of staff members and teachers for work of this type.

Home Economics 342 *Costume Millinery*

Basic fundamentals of designing and constructing hats and accessories in fabric, felt, and straw. Techniques for beginners as well as experienced teachers. Millinery made practical and designed for the individual.

Vanek (1:30 - 3:20) Second three weeks

Credit: 2 or 3

Home Economics 445 *Design and Construction of Slip Covers*

The principles of design and the application of these principles in the selection of material. Construction of appropriate slip covers for modern and traditional decor.

Bethke (9:30 - 11:20)

Credit: 2

Home Economics 447 *Design and Construction of Lampshades and Draperies*

A study of figure, proportion, pattern. Construction of lampshades and draperies to conform with present trends in home furnishings.

Bethke (12:30 - 2:20)

Credit: 2

HOME ECONOMICS EDUCATION

Education 451 *Evaluation in Home Economics Education*

Criteria, techniques, and devices for evaluating the home economics program. Opportunity for developing measuring devices.

Noble (12:30 - 1:20)

Credit: 2

Home Economics 474 *Teaching High School Food Classes in One Period*

Meal planning, preparation and service; involves presentation of techniques in managing high school homemaking classes which meet daily for one period only.

Noble (9:30 - 11:20) First three weeks

Credit: 2

Education 508 *Curriculum Studies in Home Economics*

Principles of curriculum construction. Review of recent literature on curriculum development. Evaluation of curriculum practices and techniques. Student may work on own curriculum problems.

Nelson (10:30 - 11:20)

Credit: 2 to 4

Home Economics 561 *Seminar in Home Economics Education*

Readings, discussion and reports of recent literature in education with implications for teaching home economics. Paper on individual problem.

Nelson (7:30 - 8:20)

Credit: 2

DRAFTING

Industrial Education 118 *Freehand Drawing*

Basic fundamentals of freehand drawing; lines, circles, ellipses, geometric solids, freehand perspective, shading, still life, thumbnails, technical sketching, blackboard practice, pen and ink work. Term sketch required.

Ray (10:00 - 12:20)

Credit: 2

Industrial Education 224 *Advanced Freehand Drawing and Design*

Prerequisite: Industrial Education 118

Alphabets, lettering, monograms, trade marks, advertising layouts, show card and poster work. Silk screen and stencil cutting. Memory sketching.

Ray (10:00 - 12:20)

Credit: 2

Industrial Education 228 *General Drafting*

Prerequisites: Industrial Education 118 and 121

Drawing techniques for various school levels and vocational schools. Organization and preparation of a teaching syllabus. Concentration in chosen field.

Ray (10:00 - 12:20)

Credit: 2

Industrial Education 231 *Architectural Drafting*

Prerequisites: Industrial Education 118 and 121

Elements of planning and construction for frame and masonry houses. Lettering, symbols and conventions, footings, foundations, sills, basement windows, casement and double hung windows, cornices, fireplaces, stairs. Preliminary planning and drawing of floor plans, elevations and perspective. Cost estimates.

Ray (7:30 - 9:50)

Credit: 2

Industrial Education 233 *Architectural Drafting*

Prerequisite: Industrial Education 231

Preparation of working drawings for a frame or masonry residence. Optional layout of rooms for each student; floor plans, elevations, details, and specifications; rendered perspectives, cost estimates, term reports; illustrated lectures on kitchens, bathrooms, living rooms, dining rooms, basements.

Ray (7:30 - 9:50)

Credit: 2

Industrial Education 331 *Architectural Drafting*

Prerequisite: Industrial Education 231

Complete scale model of a house from the student's plans for class demonstration. Landscaping and rendering of the model. Photograph of the exterior and interior.

Ray (7:30 - 9:50)

Credit: 2

ELECTRICAL WORK

Industrial Education 343 *General Electricity*

Prerequisite: Industrial Education 119

Magnetic circuits as applied to coils, motors, generators, and transformers, illuminations; insulation and insulators; armature windings and winding projects; mutual and self-inductance; conduit wiring projects.

Ruehl (3:00 - 5:20)

Credit: 2

Industrial Education 345 *Industrial Electricity*

Prerequisite: Industrial Education 343

Theory and essentials of alternating currents. Shop problems dealing with alternating current measuring instruments, transformers, and various types of alternating current motors and generators and their accessories.

Ruehl (3:00 - 5:20)

Credit: 2

Industrial Education 347 *Radio*

Prerequisite: Industrial Education 119 or equivalent.

Theory and fundamentals of radio communication circuits. Standard circuits set up and tests in the laboratory; application of radio test instruments; construction of radio projects.

Ruehl (12:30 - 2:50)

Credit: 2

Industrial Education 439 *Applied Electronics*

Prerequisite: Industrial Education 119 and 347, Science 427 or consent of the instructor.

Advanced study of model electronic circuits as applied to the control of industrial and commercial processes.

Ruehl (12:30 - 2:50)

Credit: 2

GENERAL

Industrial Education 463 *Project Development*

A workshop in the design and development of projects for industrial arts courses. A laboratory course covering the philosophy and approach of modern industrial designers. Class members will design and construct projects in their field of major interest. Provision will be made for the duplication and exchange of drawings of projects designed. Written report required of graduate students.

Tinkham (7:30 - 9:50) or (7:30 - 12:20)

Credit: 2 or 4

METAL WORKING

Industrial Education 113 *Machine Shop*

Basic instructional units covering the lathe, milling machine, drilling machine, shaper and grinding machine. Shapes of cutting tools, grinding, setting and operating; feeds and speeds for cutting various metals.

Wiehe (12:30 - 2:50)

Credit: 2

Industrial Education 235 *Machine Shop*

Prerequisite: Industrial Education 113

Helical gear cutting and rack cutting on the milling machine; internal and external square thread cutting on the lathe; cylindrical grinding on the universal grinder.

Wiehe (3:00 - 5:20)

Credit: 2

Industrial Education 237 *Machine Shop*

Prerequisite: Industrial Education 227 and 235

Worm gearing, tool making, tool and cutter grinding. Economical use of materials. Selection of appropriate instructional material and projects.

Wiehe (3:00 - 5:20)

Credit: 2

Industrial Education 335 *General Metal*

Prerequisite: Industrial Education 113

General shop of the trade group type. Organization, layout, equipment, management, uses of instruction material; selected projects in bench metal, forging, heat treating, machine shop, oxy-acetylene welding and cutting.

Klatt (10:00 - 12:20)

Credit: 2

Industrial Education 455 *Oxy-acetylene Welding*

Prerequisite: Industrial Education 335

Operation of generators, manifolds, tanks, gauges and torches. Welding of all common metals; hand and machine cutting of steel; testing and checking; technology of materials.

Klatt (10:00 - 12:20)

Credit: 2

Industrial Education 461 *Tool and Die Making*

Prerequisites: Industrial Education 237, 239, 227, 457, and for Graduate Student, Education 501.

Operations and related technical information units for the following: single station cutting dies; drawing, expanding, non-cutting, assembling, progressive and finishing dies; permanent molds. Layout work, methods of fabrication and machine tool operations involved will be planned by the student.

Klatt (7:30 - 9:50)

Credit: 2

PHOTOGRAPHY

Industrial Education 205 *Elementary Photography*

Picture taking, film developing, printing and enlarging. Each student required to provide camera and photographic film. Chemicals and photographic paper supplied.

Whydotski (10:00 - 12:20)

Credit: 2

PRINTING

Industrial Education 117 *Elementary Composition*

Elements of composition, stonework, and platen press work. Projects in straight composition involving basic operations of job printing.

Cornwell (7:30 - 9:50)

Credit: 2

Industrial Education 255 *Advanced Composition*

Prerequisite: Industrial Education 117

Problems in display composition, stonework, and platen press work. Introduction to commercial problems and jobs; typographical design.

Cornwell (10:00 - 12:20)

Credit: 2

Industrial Education 359 *Cooperative Industrial Printing*

Prerequisite: Industrial Education 255 or equivalent

Production work at the college press under shop conditions. One hundred clock hours of actual production experience in college press required for two semester hours of credit. On request for qualified students.

By arrangement.

Whydotski (7:30 - 9:50)

Credit 2

Industrial Education 370 *General Bookbinding*

Prerequisite: Industrial Education 363 or consent of instructor.

Basic fundamentals of the binding and repair of books. Instruction in the making of binding equipment and use of materials obtained from local sources.

Whydotski (7:30 - 9:50)

Credit: 2

Industrial Education 459 *Presswork*

Prerequisite: Industrial Education 117

Problems and operation of platen and cylinder presses, automatic feeders, and imposition. Problems in bindery operations. Study of paper and inks.

Cornwell (10:00 - 12:20)

Credit: 2

Industrial Education 363 *General Graphic Arts*

Basic reproductive processes in graphic arts. Wood and resilient block-cutting, lithography, etching, silk screen, stencil ditto, engraving, paper-making, and bookbinding.

Cornwell (10:00 - 12:20)

Credit: 2

Industrial Education 557 *Problems in Graphic Arts*

Prerequisite: Graduate Standing

Advanced individual projects in graphic arts. Projects must contain approved factors of educational significance, technical accuracy, and be of a type not previously covered by the individual. Use of shop laboratories as well as literature. Carried on by arrangement and conference. Term paper required.

Whydotski (Hours arranged)

Credit: 2

WOODWORKING

Industrial Education 107 *Hand Woodworking*

Fundamental operations and information topics in woodworking. Construction of projects.

Soderberg (10:00 - 12:20)

Credit: 2

Industrial Education 209 *General Finishing*

Study and application of various finishes for composition material, plastics, wood and metal. Color theory, spraying, baking, drying, polishing, and refinishing.

Soderberg (7:30 - 9:50)

Credit: 2

Industrial Education 246 *Upholstery*

A first course in simple upholstery techniques for home repair and maintenance of upholstered furniture. The uses of tools and equipment, supplies and fillings, and the selection of furniture coverings. Rebuilding and re-stuffing of loose innerspring cushions, and minor repairs of upholstered furniture which can be done in the home with a minimum of tools and equipment. Finishing, refinishing and patching of damaged woodwork. Students may provide their own work projects.

Olsen (12:30 - 2:50)

Credit: 2

Industrial Education 219 *Carpentry*

Actual experience in framing a house. Modular principles employed, the framing of simple roofs.

Olsen (3:00 - 5:20)

Credit: 2

Industrial Education 319 *Carpentry*

Review of gable roof framing; advanced roof framing, cornice construction, exterior finishings, building materials, insulation. Reference assignments and discussion.

Olsen (3:00 - 5:20)

Credit: 2

Industrial Education 421 *Carpentry*

Prerequisite: Industrial Education 319

Interior finishing, hanging doors, installing kitchen cabinets, elements of stair building.

Olsen (3:00 - 5:20)

Credit: 2

PSYCHOLOGY

Education 303 *Educational Psychology*

Prerequisite: Education 123

Child and adolescent development; learning and its guidance, the individual student, and the implication of interests and attitudes.

Salyer (9:30 - 10:20)

Credit: 2

Education 513 *Personality and Mental Health*

Prerequisite: Graduate Standing

Covers the nature of personality and of the condition which makes for its wholesome development and integration. Personality inventories and scales used for self-analysis.

Oetting (11:30 - 12:20)

Credit: 2

Education 514 *Vocational Psychology*

Application of psychological techniques to industry with emphasis on employee testing, training, scientific management, efficiency, merit ratings, promotion, safety, morale, and labor relations.

Salzer (7:30 - 8:20)

Credit: 2

Education 555 *Psychology of Learning*

Prerequisite: Graduate Standing

Study of the nature and conditions of learning evidenced by laboratory research and supplemented by classroom observation. Findings applied to industrial, vocational and home economics education.

Oetting (9:30 - 10:20)

Credit: 2

EDUCATION

Education 234 *Activity Analysis*

Prerequisite: Sophomore Standing

Development of an orderly procedure for the identification of instructional units and projects to be used for teaching purposes. Development of outlines for writing instruction sheets and teaching of each unit.

Jarvis (10:30 - 11:20)

Credit: 2

Education 235 *Trade Analysis*

For vocational majors. May be substituted for Education 234. Techniques of analyzing occupations into instructional units.

Jarvis (10:30 - 11:20)

Credit: 2

Education 305 *Methods of Teaching Industrial Arts*

Prerequisites: Education 234 or 303

Study of teaching methods in use in units and general shop classes. Instruction planning, methods of organization and management, instruction aids, professional ethics. Directed observation of representative school shops.

Chinnock (10:30 - 11:20)

Credit: 2

Education 360 *Audio-Visual Education*

Prerequisite: Junior Standing in Education

Methods of using audio-visual aids effectively in teaching. Experience in operating projection equipment, construction of training aids, initiating and operating an audio-visual program. Practice in planning and presenting a lesson.

Barnard (7:30 - 9:20)

Credit: 2

Education 401 *Guidance*

Prerequisite: Junior Standing

Overview course to develop a sympathetic understanding of a comprehensive program of personnel services. A study of needs, problems, procedures, and services involved.

Iverson (11:30 - 12:20)

Credit: 2

Education 402 *Philosophy of Vocational and Adult Education*

Philosophy, organization and administration of vocational and adult education in the nation with special attention given to the Wisconsin program; federal and state laws affecting vocational education; coordination.

Whinfield (1:30 - 2:20)

Credit: 2

Education 407 *Teaching Trade and Industrial Subjects*

Recognized principles and methods of teaching applied to typical shop and/or related subjects situations as found in the school of vocational and adult education.

Plenke (2:30 - 3:20)

Credit: 2

Education 423 *Safety Education*

Prerequisite: Junior or Senior Standing.

Highway safety, home safety, industrial safety, farm safety, school safety, and recreational safety. Promotion of a program, content, methods and materials of instruction.

Kranzusch (7:30 - 8:20) or (8:30 - 9:20)

Credit: 2

Education 439 *Production of Audio-Visual Materials*

Prerequisites: Industrial Education 205 and Education 360, or consent of instructor.

Production of motion pictures, filmstrips, standard and miniature slides, mock-ups, models and graphic materials. Selection and organization of subject matter, preparation of scripts, and technical problems of production.

Barnard (12:30 - 2:20)

Credit: 2

Education 441 *Educational Evaluation*

Prerequisite: Education 222 or Education 320

Study of techniques for writing examinations and performance tests. Characteristics and limitations of different types of test questions. Interpretations of test scores by means of statistical procedures.

Swanson (9:30 - 10:20)

Credit: 2

Education 443 *Problems in Teaching Trade and Industrial Subjects*

Individual work following approved practice in the development of teaching material for vocational teaching.

Plenke (8:30 - 9:20)

Credit: 2

Education 448 *Driver Education*

A basic course in driver education and practice driving. Involves teaching a learner to drive including learner's passing written and road tests and securing driver's license and doing a research problem or constructing a piece of test apparatus. Driver Training Certification by A.A.A. and State Department of Education on completion of course.

Kanzusch, Bernd, Precourt or Frey

Credit: 2

Wisconsin Division A.A.A. and others

Education 452 *Driver Education (Advanced Course)*

Prerequisite: Education 448, Driver Education Certificate or its equivalent.

This course will include program details in driver education in our nation's schools, State laws, schools laws and regulations, teaching requirements, techniques for improving practice driving instruction, and a survey of research studies will be made. Improving teaching methods through evaluation and analysis, use of diagnostic tests and materials. Cooperation with state and other organizations in the presentation of instructional materials.

Kranzusch, Bernd, Precourt or Frey

Credit: 2

During the two weeks August 6 to August 17 inclusive, both courses in Driver Education will be offered for a limited number of students. Each course will run for the full two weeks, it being possible for a student to take one course only during this time. These courses are available through a cooperative agreement with the Wisconsin Division of the American Automobile Association. Instruction is articulated with the certification requirements of the Wisconsin State Department of Public Instruction and the Wisconsin Motor Vehicle Department. Requirements of the A.A.A. Driver Training certification are met and the certificate is awarded to those who successfully meet them. The consultant will be Mr. Paul Bernd, Educational Consultant, American Automobile Association. The Wisconsin Department of Education will grant certification to teach driver education in Wisconsin high schools only to those people who take or have taken the course Driver Education, Ed. 448, for credit.

For these two-week Driver Education units, pro-rated fees and tuition are indicated below. Students may enroll for 2 semester hours of credit plus the certificate in either the basic course or, if qualified, in the advanced course.

UNDERGRADUATE

Resident or Non-Resident of Wisconsin ----- \$12.00

GRADUATE

Resident or Non-Resident of Wisconsin ----- \$16.00

Education 470 *Conference Leading I*

Prerequisite: Methods of Teaching Industrial Subjects or equivalent.
Study and practice of the principles and techniques of conference leading as an instructional device in vocational education.

Chinnock (7:30 - 8:20)

Credit: 2

Education 472 *Coordination*

Prerequisite: Graduate or Advanced Standing.

Principles of coordination in vocational education in apprenticeship training, distributive education, trades and industries, and diversified occupations. Work-experience program in general education.

Bardwell (9:30 - 10:20)

Credit: 2

Education 475 *Interviewing Techniques*

The interview as a tool in interpersonal relationships. Principles of interviewing; how to interview; pooling measurement information for diagnostic treatment; writing and interpreting case studies.

Whinfield (10:30 - 11:20)

Credit: 2

Education 479 *Public Relations for Schools*

Defines the publics, objectives, and media of public relations in a school system. Provides practice with such tools as news stories, features, etc. Each student carries out an actual publicity program in the community.

Fleming (11:30 - 12:20)

Credit: 2

Education 492 *Administration of Vocational and Adult Education*

A survey and analysis of problems in the administration of a vocational and adult school, including legal, policy making, staff personnel, student personnel, curriculum, evaluation, public relations, physical plant and business management.

Bardwell (12:30 - 1:20)

Credit: 2

Education 500 *Philosophy of Modern Education*

Prerequisite: Graduate Standing

Study of the main schools of educational philosophy and of their influence on contemporary education thought and practice. Points of agreement and of conflicts. The comprehensive approach used.

Hardt (12:30 - 1:20)

Credit: 2

Education 501 *Research Procedures*

Prerequisite: Graduate Standing

Basic course in educational research. Selection of problem, survey of the literature, types of educational research, planning the study, organization and interpretation of data, and preparation of the research report.

Wall (8:30 - 9:20)

Credit: 2

Education 502 *Principles of Supervision*

Basic principles, types, functions, organizations, and plan of supervision. Interpretation and application of creative supervision plans; individual and class projects concerned with applied methods of supervision in selected educational areas.

Anderson (8:30 - 9:20)

Credit: 2

Industrial Education 506 *Problems in Supervision*

Home Economics 506 *Problems in Supervision*

Prerequisite: Principles of Supervision, Education 502

Interpretation and application of basic principles of supervision. Individual project; selection, analysis, interpretation and application of plans for a selected supervisor activity. Application of scientific methods for solving supervisory problems emphasized.

Anderson (11:30 - 12:20)

Credit: 2

Industrial Education 510 *Problems in Industrial Education*

Home Economics 510 *Problems in Home Economics Education*

Prerequisite: Education 501

Applied research course—interpretation and application of research procedures, use of scientific methods for thesis problems, and orientation of students in terms of selected thesis.

Wigen (1:30 - 2:20)

Credit: 2

Industrial Education 526 *Administration*

Home Economics 526 *Administration*

Prerequisite: Graduate Standing.

Philosophy and principles underlying organization and operation of public education on the local, state, and national levels in the United States. Examination of prevailing practices and current problems of school management.

Wall (11:30 - 12:20)

Credit: 2

Education 531 *Problems in Guidance*

Prerequisite: Education 401

Identification and analysis of field problems in personnel services. Selection of materials, development of methods and preparation of instruments in term report on problem of the student's choice.

Iverson (8:30 - 9:20)

Credit: 2

Industrial Education 533 *Survey Procedures*

Prerequisite: Graduate Standing

Techniques and methods of conducting community occupational surveys. Analysis of published community occupational survey reports. Purpose, content, organization, personnel budget, forms, promotion and evaluation considered.

Rudiger (9:30 - 10:20)

Credit: 2

Industrial Education 537 *Curriculum Procedures III*

Prerequisite: Education 568 or permission of the instructor.

Principles of course development received. Basic division of course development covered in a class project.

Rudiger (12:30 - 1:20)

Credit: 2

Industrial Education 560 *Problems in Audio-Visual Education*

Prerequisite: Education 360

Each student selects a problem on the basis of needs, interests, and previous experience. Project in written form.

Barnard (Hours arranged)

Credit: 2

Education 561 *Educational Statistics*

Prerequisite: Graduate Standing

Methods of collecting, recording, evaluating, and interpreting educational data.

Swanson (7:30 - 8:20)

Credit: 2

Education 568 *Curriculum Procedures II*

(*Analysis Technique for Instructors*)

Prerequisite: Graduate Standing. Not available to persons who have had Education 234 or Education 235.

Study of systems of analysis of occupations for instructional purposes and for personnel work. Jobs, operations, information topics, blocking, custom trades, service trades, checking levels, progression factors defined. Project in development of complete analysis of an occupation for instructional use.

Jarvis (10:30 - 11:20)

Credit: 2

ENGLISH

English 346 *Expository Writing*

Prerequisite: English 102b

Theory and practice of exposition. Requirements include writing two investigative papers, one in the field of student's choice, one in the field of education.

Adams (8:30 - 10:20) M-T-W-Th

(8:30 - 9:20) F

Credit: 3

English 348 *American Literature*

Prerequisite: English 102b

A study of representative American authors, with emphasis on their enduring literary values and their relationship to their own times and to the present time.

Adams (10:30 - 11:20)

Credit: 2

PHYSICAL EDUCATION

Physical Education 101 *Personal Health (Men)*

Personal and general health for the improvement of living. Considers health in terms of life values, ways of improvement of health and prevention of disease.

Wink (1:30 - 2:20) M-W-F

Credit: 1

Recreational Swimming

Men and Women (Co-educational)

Time: 3:00 - 5:00 p.m. daily

2:00 - 4:00 p.m. Saturdays

Instruction available for beginning, intermediate, and advanced groups. Swimming privileges to children and wives of students or faculty are extended. All children must be accompanied by parents. Pool regulations must be adhered to by all swimmers and spectators.

SCIENCE

Science 115 *General Chemistry*

Chemical viewpoints, laws, principles and atomic structure as related to chemical reactions. The study of non-metals is followed by that of metals. Materials taught related to the needs of Home Economics and Industrial Education majors. As far as possible, experiments are selected to assist in such applications.

Nitz (7:30 - 12:20)

Credit: 5

SOCIAL SCIENCE

Social Science 311 *Government*

Prerequisites: Social Science 200 or consent of the instructor.

Basic course with emphasis on political principles, processes, and problems. Functional study of American governmental units. Comparative study of selected major foreign governments.

Price (9:30 - 10:20)

Credit: 2

Social Science 410 *Modern World*

Prerequisite: Social Science 200 or consent of the instructor.

Modern trends in terms of historical backgrounds, providing a frame of reference for interpreting the contemporary world; United Nations.

Agnew (10:30 - 12:20) M-T-W-Th

(10:30 - 11:20) F

Credit: 3

Social Science 417 *American Politics*

Prerequisite: Social Science 311

Analysis of modern political parties. Nominating methods, campaigns, elections, practical politics in legislative bodies, and machines and bosses.

Agnew (8:30 - 9:20)

Credit: 2

SPEECH

Speech 106 *Oral Communication*

Effective oral communication through the study of a philosophy of speech, speaker-listener relations, organization of ideas, use of bodily action, use of voice, and development of confidence and poise.

Ziemann (8:30 - 9:20)

Credit: 2

Speech 223 *Essentials of Public Speaking*

Prerequisite: Speech 106

The techniques of speaking in effecting the understanding, belief, and action of audiences. Principles and methods of oral composition, structure, arrangement, style, delivery, and psychology of the audience.

Ziemann (12:30 - 1:20)

Credit: 2



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